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**Complete if Known**

*(use as many sheets as necessary)*

Sheet	1	of	1
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Application Number	10/073,346
Filing Date	February 13, 2002
First Named Inventor	AMMANN et al.
Group Art Unit	1743
Examiner Name	Bex, P.
Attorney Docket Number	2599-104-C2

[illegible][illegible]

**Examiner  
Signature**

Cross, LaTaya

Date  
Considered

9/05

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(PTO/SB/08)**

*Complete if Known*

Application Number	10/073,346
Filing Date	February 13, 2002
First Named Inventor	Kelly G. AMMANN
Group Art Unit	1743
Examiner Name	
Attorney Docket Number	2599-104-C2
Customer No.	6449

Sheet	1	of	1	Confirmation No.	8235
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
81C	1	6,277,332	B1	SUCHOLEIKI	08-21-2001
81C	2	6,517,782	B1	HORNER et al.	02-11-2003
81C	3	6,517,783	B2	HORNER et al.	02-11-2003

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			

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Signature

Cross, LaToya

Date  
Considered

9/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.



UJ1040 U.S. PRO  
10/073346  
02/13/02

[illegible][illegible]

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

EXAMINER	Cross. L.	DATE CONSIDERED	9/05
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO.	SERIAL NO.
	PM256656	09/303,030
	APPLICANT	
	ALMANN et al.	
	FILING DATE	GROUP
	April 30, 1999	1631

U.S. PATENT DOCUMENTS										
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	FILING DATE (IF APPROPRIATE)
81C	6	1	1	7	3	9	2	9/12/00	Hanawa et al.	
81C	6	1	1	7	3	9	8	9/12/00	Bienhaus et al.	
81C	6	1	1	7	6	8	3	9/12/00	Kodama et al.	

FOREIGN PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
											YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	Cross, L.	DATE CONSIDERED	9/05
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 Patent and Trademark Office

ATTY. DOCKET NO.

2599-104

SERIAL NO.

09/203,030

# LIST OF MATERIALS CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Kelly G. AMMANN et al.

FILING DATE

April 30, 1999

GROUP

1631

Date: September 18, 2000

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
810	AA	5,750,338	05/12/1998	Collins et al.	435	6	05/03/1994
810	AB	6,033,880	03/07/2000	Haff et al.	435	91.1	02/23/1998
810	AC	6,096,272	08/01/2000	Clark et al.	422	64	05/22/1998
810	AD	6,110,678	08/29/2000	Weisburg et al.	435	6	05/01/1998
	AE						
	AF						
	AG						
	AH						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AI							
	AJ							
	AK							
	AL							

## NON-PATENT DOCUMENTS (Including Author, Title, Date, Periodic Pages, Etc.)

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	AN	
	AO	

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Cross, L.

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	APPLICANT AMMANN et al.	
	FILING DATE April 30, 1999	GROUP 1643

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
810	6	0	2	7	6	9	1	2/22/00	Watts et al.				

FOREIGN PATENT DOCUMENTS														
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER Cross, L.	DATE CONSIDERED 9/05
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Cross, L

9/05

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	PM256656	09/303,030
	APPLICANT	
	A. MANN et al.	
	FILING DATE	GROUP
	April 30, 1999	1643

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	FILING DATE (IF APPROPRIATE)
802	6	0	5	1	1	0	1	4/18/00	Ohtani et al.		

FOREIGN PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
												YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	Cross, L.	DATE CONSIDERED	9/05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

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	PM256656	09/302,030
	APPLICANT	
	AMMAN et al.	
	FILING DATE	GROUP
	April 30, 1999	1643

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
810	6	0	3	3	5	7	4	3/07/00	Siddiqi				

FOREIGN PATENT DOCUMENTS														
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	Cross. L.	DATE CONSIDERED	9/05
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<b>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	<b>ATTY. DOCKET NO.</b> PM256656	<b>SERIAL NO.</b> 09/303,030
	<b>APPLICANT</b> AMMANN et al.	
	<b>FILING DATE</b> April 30, 1999	<b>GROUP</b> 1643

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	FILING DATE (IF APPROPRIATE)
SP	5	9	4	8	6	9	1	9/07/99	Ekiriwang et al.		
SP	5	9	8	5	6	7	0	11/16/99	Markin		
SP	5	9	8	5	6	7	1	11/16/99	Leistner et al.		
SP	5	9	8	5	6	7	2	11/16/99	Kegelman et al.		
SP	5	9	9	8	2	0	1	12/07/99	Maes et al.		

FOREIGN PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	Cross, L.	DATE CONSIDERED	9/05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PM&S FORM PAT-1449)  
Patent and Trademark Office

Atty. M#  
Dkt. No.

Citations for Con't. Appln.  
Serial No. 09/935,064;  
Atty. Docket No. 2599-104.C2  
Page 10 of 28

256656

GP-095-02.UT

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: AMMANN et al.

Appln. No.: 09/303,030

Filing Date: April 30, 1999

Date: December 29, 1999

Page 1 of 1

Examiner: Unknown

Group Art Unit: 1643

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SC	AR 5,470,744	11/1995	Astle			
SD	BR 5,389,339	02/1995	Petschek et al.			
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
							Enclosed	No	Enclose	No
SC	OR 0 628 824A1	12/1994	EUROPE	Kuster						
SD	PR WO/93/03383	02/1993	PCT	Burkovich et al.						
SD	QR DE9405224	05/1994	DE	KODAK AG						
SD	RR 0502638A2	09/1992	EUROPE	Carey et al.						
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

YR	
ZR	
AAR	
BBR	
CCR	
DDR	

Examiner CROSS, L.

Date Considered: 9/05

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FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PM&S FORM PAT-1449)  
Patent and Trademark Office

Atty.  
Dkt. No.

Citations for Con't. Appln.  
Serial No. 09/985,064;  
Atty. Docket No. 2599-104.C2  
Page 11 of 28

256656

GP-095-02.UT

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

Applicant: AMMANN et al.

Appln. No.: 09/303,030

Filing Date: April 30, 1999

Date: October 13, 1999

Page 1 of 1

Examiner: Unknown

Group Art Unit: 1643

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
								Enclosed	No	Enclose	No
810	OR	WO 93/25912	12/1993	PCT	HAWKINS						
810	PR	0 171 140	02/1986	EUROPE	SUZUKI						
	QR										
	RR										
	SR										
	TR										
	UR										
	VR										
	WR										
	XR										

OTHER INFORMATION: In this order: Author, Title, Patent No., Date, Patent Office, etc.

	YR									
	ZR									
	AAR									
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	CCR									
	DDR									

Examiner CROSS, L

Date Considered: 9/05

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. PM256656	SERIAL NO. 09/303,030
	APPLICANT AMMANN et al.	
	FILING DATE April 30, 1999	GROUP 1643

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
810	5	8	9	7	7	8	3	04/27/99	Howe et al.				

FOREIGN PATENT DOCUMENTS														
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER Cross. L.	DATE CONSIDERED 9/05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

## INFORMATION DISCLOSURE STATEMENT

Applicant: AMMANN et al.

Appl. No.: 09/308,030

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

Date: June 11, 1999

Page 1 of 1

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	4,170,625	10/1979	Welch			
810	BR	4,895,650	01/1990	Wang			
810	CR	5,482,861	01/1996	Clark et al.			
	DR						
	ER						
	FR						
	GR						
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## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS											
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OTHER (including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	YR										
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CROSS. I

Date Considered:

9/05

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FORM PTO-1449

To: U. Department of Commerce  
Patent and Trademark Office

Atty.

Dkt. No.

256656

GP-095-02-UT

Citations for Con't. App'n.  
Serial No. 09/985,064;  
Atty. Docket No. 2599-104.C2  
Page 14 of 28

## INFORMATION DISCLOSURE STATEMENT

Date: April 30, 1999

Page 1 of 12

Applicant: AMMANN et al.

App'n. No.: New Application

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	Re. 31,108	12/1982	GINSBURG et al.			
	BR	Re. 31,150	02/1983	GINSBURG et al.			
	CR	749,104	01/1904	SCHOENEFELDT			
	DR	1,010,016	11/1911	CAMPAU			
	ER	3,504,376	03/1970	BENDNAR et al.			
	FR	3,562,962	02/1971	OHNO			
	GR	3,565,582	02/1971	YOUNG			
	HR	3,644,095	02/1972	NETHELER et al.			
	IR	3,676,076	07/1972	GRADY			
	JR	3,754,444	08/1973	URE et al.			
	KR	3,883,305	05/1975	HOSKINS et al.			
	LR	3,985,649	10/1976	EDDELMAN			
	MR	4,039,288	08/1977	MORAN			
810	NR	4,054,415	10/1977	SELIGSON et al.			

## FOREIGN PATENT DOCUMENTS

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	YR								
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	ABR								
	ACR								
	ADR								

Examiner CROSS. L.

Date Considered: 9/05

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FORM PTO-1449

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Patent and Trademark OfficeAtty.  
Dkt. No.

M#

256656

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Serial No. 09/985,064;  
Atty. Docket No. 2599-104.C2  
Page 15 of 28

## INFORMATION DISCLOSURE STATEMENT

Applicant: AMMANN et al.

Appln. No.: New Application

Filing Date: April 30, 1999

Date: April 30, 1999

Page 2 of 12

Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	4,169,125	09/1979	RODRIQUEZ et al.			
	BR	4,234,539	11/1980	GINSBERG et al.			
	CR	4,235,840	11/1980	MENDOZA et al.			
	DR	4,268,477	05/1981	HERZSTARK			
	ER	4,276,051	06/1981	GINSBERG et al.			
	FR	4,298,571	11/1981	DIFULVIO et al.			
	GR	4,305,668	12/1981	BILBREY			
	HR	4,313,735	02/1982	YAMASHITA et al.			
	IR	4,315,891	02/1982	SAKURADA			
	JR	4,344,768	08/1982	PARKER et al.			
	KR	4,346,056	08/1982	SAKURADA			
	LR	4,366,119	12/1982	TAKEUCHI			
	MR	4,451,433	05/1984	YAMASHITA et al.			
810	NR	4,459,265	07/1984	BERGLUND			

## FOREIGN PATENT DOCUMENTS

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Examiner: Cross, L.

Date Considered: 9/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

To **U.S. Department of Commerce**  
Patent and Trademark OfficeAtty.  
Dkt. No.

M#

256656

Citations for Con't. Appln.  
Serial No. 09/983,064;  
Any. Docket No. 2599-104.C2  
Page 16 of 28

GP-095-U2.U1

## INFORMATION DISCLOSURE STATEMENT

Applicant: AMMANN et al.

Appln. No.: New Application

Filing Date: April 30, 1999

Examiner: unknown

Group Art Unit: Unknown

Date: April 30, 1999

Page 3 of 12

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	4,478,095	10/1984	BRADLEY et al.			
	BR	4,479,720	10/1984	MOCHIDA et al.			
	CR	4,483,823	11/1984	UMETSU et al.			
	DR	4,483,827	11/1984	TAKEKAWA			
	ER	4,497,774	02/1985	SCORDATO			
	FR	4,501,164	02/1985	STOCKDALE et al.			
	GR	4,528,159	07/1985	LISTON			
	HR	4,595,562	06/1986	LISTON et al.			
	IR	4,612,289	09/1986	FURUTA et al.			
	JR	4,647,432	03/1987	WAKATAKE			
	KR	4,678,752	07/1987	THORNE et al.			
	LR	4,695,430	09/1987	COVILLE et al.			
	MR	4,699,766	10/1987	YAMASHITA			
810	NR	4,731,225	03/1988	WAKATAKE			

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								English Abstract		Translation Readily Available	
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Examiner Cross, L.Date Considered: 9/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP \* 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

To: U.S. Department of Commerce  
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M#

256656

Citations for Con't. Appln.  
Serial No. 09/985,064;  
Atty. Docket No. 2599-104.C2  
Page 17 of 28

## INFORMATION DISCLOSURE STATEMENT

Applicant: AMMANN et al.

Appln. No.: New Application

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

Date: April 30, 1999

Page 4 of 12

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	4,747,693	05/1988	KAHL			
	BR	4,761,268	08/1988	ANDERSON et al.			
	CR	4,764,342	08/1988	KELLN et al.			
	DR	4,774,055	09/1988	WAKATAKE et al.			
	ER	4,781,891	11/1988	GALLE et al.			
	FR	4,834,944	05/1989	WAKATAKE			
	GR	4,844,868	07/1989	ROKUGAWA			
	HR	4,848,917	07/1989	BENIN et al.			
	IR	4,855,110	08/1989	MARKER et al.			
	JR	4,865,986	09/1989	COY et al.			
	KR	4,883,644	11/1989	PERLMAN			
	LR	4,908,186	03/1990	SAKAMAKI			
	MR	4,908,320	03/1990	ZAKOWSKI et al.			
810	NR	4,919,887	04/1990	WAKATAKE			

## FOREIGN PATENT DOCUMENTS

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Examiner CROSS, L.

Date Considered: 9/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not in conformance and not considered. Include copy of this statement with the application.

FORM PTO-1449

To: Department of Commerce  
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Dkt. No.

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256656

GP-095-02.UT

# INFORMATION DISCLOSURE STATEMENT

Date: April 30, 1999

Page 5 of 12

Applicant: AMMANN

App'n. No.: New Application

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	4,961,906	10/1990	ANDERSON et al.			
	BR	4,965,049	10/1990	LILLIG et al.			
	CR	5,051,238	09/1991	UMETSU et al.			
	DR	5,084,242	01/1992	SAKUMA et al.			
	ER	5,104,231	04/1992	COLLIER et al.			
	FR	5,104,621	04/1992	PFOST et al.			
	GR	5,104,807	04/1992	MITSUMAKI et al.			
	HR	5,104,808	04/1992	LASKA et al.			
	IR	5,122,343	06/1992	ISHIZAKA et al.			
	JR	5,128,103	07/1992	WANG et al.			
	KR	5,139,743	08/1992	ISHIZAKA et al.			
	LR	5,141,871	08/1992	KURESHY et al.			
	MR	5,147,610	09/1992	WATANABE et al.			
810	NR	5,154,889	10/1992	MURAISHI			

## FOREIGN PATENT DOCUMENTS

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Examiner CROSS, L.

Date Considered: 9/05

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GP-095-02.UT

# INFORMATION DISCLOSURE STATEMENT

Applicant: AMMANN

Appn. No.: New Application

Filing Date: April 30, 1999

Date: April 30, 1999

Page 6 of 12

Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	5,167,448	12/1992	HEROLD et al.			
	BR	5,183,638	02/1993	WAKATAKE			
	CR	5,186,827	02/1993	LIBERTI et al.			
	DR	5,192,505	03/1993	SAKAGAMI			
	ER	5,192,506	03/1993	KURESHY et al.			
	FR	5,207,987	05/1993	KURESHY et al.			
	GR	5,215,714	06/1993	OKADA et al.			
	HR	5,240,678	08/1993	LITSCHKE			
	IR	5,240,679	08/1993	STETTLER			
	JR	5,246,665	09/1993	TYRANSKI et al.			
	KR	5,260,028	11/1993	ASTLE			
	LR	5,270,210	12/1993	WEYRAUCH et al.			
	MR	5,277,871	01/1994	FUJII et al.			
810	NR	5,294,404	03/1994	GRANDONE et al.			

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Examiner: Cross, L.

Date Considered: 9/05

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To: U.S. Department of Commerce  
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Dkt. No.

M#

256656

GP-095-02.UT

Citations for Con't. Appn.  
Serial No. 09/985,064;  
Any. Docket No. 2599-104.C2  
Page 20 of 28

## INFORMATION DISCLOSURE STATEMENT

Applicant: AMMANN et al.

Appln. No.: New Application

Filing Date April 30, 1999

Date: April 30, 1999

Page 7 of 12

Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

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810	AR	5,314,863	05/1994	MIMURA			
	BR	5,314,825	05/1994	WEYRAUCH et al.			
	CR	5,316,726	05/1994	BABSON et al.			
	DR	5,318,914	06/1994	MATTE et al.			
	ER	5,320,809	06/1994	DUNN et al.			
	FR	5,320,966	06/1994	MITSUMAKI et al.			
	GR	5,324,481	06/1994	DUNN et al.			
	HR	5,332,549	07/1994	MACINDOE, JR.			
	IR	5,358,691	10/1994	CLARK et al.			
	JR	5,360,741	11/1994	HUNNELL			
	KR	5,380,666	01/1995	WUERSCHUM			
	LR	5,384,094	01/1995	SCHACHER			
	MR	5,415,839	05/1995	ZAUN et al.			
810	NR	5,415,840	05/1995	SANO et al.			

## FOREIGN PATENT DOCUMENTS

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Examiner CROSS, L.

Date Considered: 9/05

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FORM PTO-1449

To: U.S. Department of Commerce  
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Dkt. No.

256656

GP-095-02.UT

Citations for Con't. Appn.  
Serial No. 09/985,064;  
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Page 21 of 28

## INFORMATION DISCLOSURE STATEMENT

Date: April 30, 1999

Page 8 of 12

Applicant: AMMANN et al.

Appln. No.: New Application

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	5,419,871	05/1995	MUSZAK et al.			
	BR	5,424,212	06/1995	PINSL-OBER et al.			
	CR	5,434,083	07/1995	MITSUMAKI et al.			
	DR	5,439,648	08/1995	TANIMIZU et al.			
	ER	5,445,794	08/1995	WHLBORG			
	FR	5,451,528	09/1995	RAYMOURE et al.			
	GR	5,466,574	11/1995	LIBERTI et al.			
	HR	5,482,839	01/1996	ASHIHARA et al.			
	IR	5,525,300	06/1996	DANSSAERT et al.			
	JR	5,536,475	07/1996	MOUBAYED et al.			
	KR	5,558,839	09/1996	MATTE et al.			
	LR	5,567,595	10/1996	KOK			
	MR	5,571,481	11/1996	POWELL et al.			
510	NR	5,575,976	11/1996	CHOPERENA et al.			

## FOREIGN PATENT DOCUMENTS

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Examiner C. MOSS, L.

Date Considered: 9/05

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To U.S. Department of Commerce  
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256656

GP-U95-U2.U1

# INFORMATION DISCLOSURE STATEMENT

Date: April 30, 1999

Page 9 of 12

Applicant: AMMANN et al.

Appln. No.: New Application

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	5,576,215	11/1996	BURNS et al.			
	BR	5,578,269	11/1996	YAREMKO et al.			
	CR	5,580,524	12/1996	FORREST et al.			
	DR	5,585,068	12/1996	PANETZ et al.			
	ER	5,587,129	12/1996	KUROSAKI et al.			
	FR	5,595,707	01/1997	COPELAND et al.			
	GR	5,599,501	02/1997	CAREY et al.			
	HR	5,605,665	02/1997	CLARK et al.			
	IR	5,610,069	03/1997	CLARK et al.			
	JR	5,620,898	04/1997	YAREMKO et al.			
	KR	5,635,364	06/1997	CLARK et al.			
	LR	5,637,275	06/1997	CAREY et al.			
	MR	5,639,425	06/1997	KOMIYAMA et al.			
810	NR	5,646,049	07/1997	TAYI			

## FOREIGN PATENT DOCUMENTS

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Examiner CROSS, L.

Date Considered: 9/05

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To U.S. Department of Commerce  
Patent and Trademark Office

Atty. Dkt. No. 256656  
GP-095-02.UT

# INFORMATION DISCLOSURE STATEMENT

Date: April 30, 1999

Page 10 of 12

Applicant: AMMANN  
Appln. No.: New Application  
Filing Date: April 30, 1999  
Examiner: Unknown  
Group Art Unit: Unknown

## U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	5,653,940	08/1997	CAREY et al.			
	BR	5,658,799	08/1997	CHOPERENA et al.			
	CR	5,670,114	09/1997	SAKAZUME et al.			
	DR	5,670,120	09/1997	DEGENHARDT et al.			
	ER	5,677,188	10/1997	MITSUMAKI et al.			
	FR	5,679,309	10/1997	BELL			
	GR	5,681,530	10/1997	KUSTER et al.			
	HR	5,693,292	12/1997	CHOPERENA et al.			
	IR	5,698,450	12/1997	RINGROSE et al.			
	JR	5,702,950	12/1997	TAJIMA			
	KR	5,705,062	01/1998	KNOBEL			
	LR	5,720,923	02/1998	HAFF et al.			
810	MR	5,730,938	03/1998	CARBONARI et al.			
	NR	5,730,939	03/1998	KURUMADA et al.			

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	XR							<input type="checkbox"/>	<input type="checkbox"/>

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	YR								
	ZR								
	AAR								
	ABR								
	ACR								
	ADR								

Examiner Cross, L.

Date Considered: 9/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not

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U.S. Department of Commerce  
Patent and Trademark Office

Atty.  
Dkt. No.

256656

GP-095-02.UT

# INFORMATION DISCLOSURE STATEMENT

Applicant: AMMANN et al.

Appn. No.: New Application

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

Date: April 30, 1999

Page 11 of 12

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Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	5,736,105	04/1998	ASTLE			
	BR	5,738,827	04/1998	MARQUISS			
	CR	5,741,461	04/1998	TAKAHASHI et al.			
	DR	5,746,977	05/1998	IMAI et al.			
	ER	5,762,872	06/1998	BUHLER et al.			
	FR	5,762,873	06/1998	FANNING et al.			
	GR	5,773,662	06/1998	IMAI et al.			
	HR	5,779,981	07/1998	DANSSAERT et al.			
	IR	5,786,182	07/1998	CATANZARITI et al.			
	JR	5,789,252	08/1998	FUJITA et al.			
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	LR	5,807,523	09/1998	WATTS et al.			
	MR	5,814,277	09/1998	BELL et al.			
810	NR	5,827,478	10/1998	CAREY et al.			

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								English Abstract		Translation Readily Available	
		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass				
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	OR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	YR										
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	AAR										
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Examiner CROSS, L.

Date Considered: 9/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance.

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U.S. Department of Commerce  
Patent and Trademark Office

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M#

256656

GP-095-02.UT

Citations for Con't. Appn.  
Serial No. 09/983,064;  
Any. Docket No. 2599-104.C2  
Page 25 of 28

## INFORMATION DISCLOSURE STATEMENT

Date: April 30, 1999

Page 12 of 12

Applicant: AMMANN et al.

Appn. No.: New Application

Filing Date: April 30, 1999

Examiner: Unknown

Group Art Unit: Unknown

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Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
810	AR	5,827,479	10/1998	YAMAZAKI et al.			
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	GR	5,876,668	03/1999	KAWASHIMA et al.			
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810	JR	5,885,353	03/1999	STRODTBECK et al.			
	KR						
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	MR						
	NR						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
								Enclosed	No	Enclose	No
810	OR	2-66461	03/1990	JAPAN	TANIMIZU			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	PR	4-359154	12/1992	JAPAN	USHIKUBO			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	QR	5-10957	01/1993	JAPAN	MORI			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	TR	63-3265	01/1988	JAPAN	MINEKANE			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	UR	2 131 168	06/1984	UK	WAKATAKE et al.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	VR	0 513 618	11/1992	EUROPE	ZABETAKIS et al.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
810	WR	41 28 698	03/1993	GERMANY	STROHMEIER et al.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	XR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	YR				
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	ABR				
	ACR				
	ADR				

Examiner Cross, L.

Date Considered: 9/05

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with report.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 2599-104-V2	SERIAL NO. 09/303,030
	APPLICANT AMMANN et al.	
	FILING DATE April 30, 1999	GROUP 1631

[illegible]

FOREIGN PATENT DOCUMENTS															
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
													YES	NO	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	van Gemen et al., "The One-tube Quantitative HIV-1 RNA NASBA: Precision, Accuracy, and Application", <i>PCR Methods and Applications</i> , 4:S177-S184 (Cold Spring Harbor Laboratory 1995).

EXAMINER <u>Cross, L.</u>	DATE CONSIDERED <u>9/05</u>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPPE 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. IF THE CODE OF THIS BOOK APPLIES, TRANSLATIONS OF 22-3231-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-10	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT(S)  
(PTO/SB/08)**

**COMPLETE IF KNOWN**

Application Number 09/985,064  
Filing Date November 1, 2001  
First Named Inventor Kelly G. AMMANN et al.  
Group Art Unit Unknown  
Examiner Name Unknown  
Attorney Docket Number 2599-104-C1

Sheet 1 of 1 Today's Date November 15, 2001

J1040 U.S. PTO  
10/073846  
02/13/02

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS*	CITE No. <sup>1</sup>	U.S. PATENT DOCUMENT		NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	DATE OF PUBLICATION OF CITED DOCUMENT MM-DD-YYYY
		NUMBER	KIND CODE (IF KNOWN)		
87C	A1	6,042,786		Oonuma et al.	03-28-2000
87C	A2	6,300,068	B1	Burg et al.	10-09-2001
	A3				
	A4				
	A5				
	A6				
	A7				

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS*	CITE NO.	FOREIGN PATENT DOCUMENT			NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	DATE OF PUBLICATION OF CITED DOCUMENT MM-DD-YYYY	T*
		OFFICE	NUMBER	KIND CODE (IF KNOWN)			
	A8						
	A9						
	A10						
	A11						
	A12						

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

EXAMINER INITIALS*	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T*
	A13		
	A14		
	A15		
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	A17		
	A18		

Examiner  
Signature

Cross, L.

Date Considered

9/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.